

# Michael Flood

## Software Developer

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*repository* <https://github.com/FloodMike>



Aug. 2012-  
present **Empower Systems**  
[Integration/Interface Programmer](#)

Empower Systems is a software company focused on delivering a hospital EHR solution to clients across the U.S. While there, I was responsible for scripting and implementing interfacing that would relay HL7 messages from a hospital core system for processing, internally within Empower using Visual Basic, as well as routing the HL7 message to ancillary systems. Build and deploy various jobs and services used to process data and update/insert into the database using C# as well as T-SQL. Empower Systems uses Kanban for their production system.

June 2008-  
Aug. 2008 **Hewlett-Packard**  
[Intern](#)

The development team I worked with within the content management system sector of Hewlett-Packard required a more efficient way to compile small bits of code within a much larger coding project. To accomplish this, I rewrote their compiler using a combination of JAVA and Perl in just under 6 weeks. The new compiler noticeably increased productivity as well as saved the development team time to be able to work more on the product. The compiler was deployed on a local network web page and was accessible to the entire development team. HP used SCRUM as their production system.



2010 - 2012 **Roosevelt University**  
[Bachelor of Science in Computer Science](#)

2009 - 2010 **William Rainey Harper Community College**

2008 - 2009 **University of Iowa**  
[Studied Software/Biomedical Engineering](#)

## Computer Skills

### C#/C++

*Utilized best practices  
with 4 years of experience*

### Java

*3 years of experience*

### Visual Basic

*2 years of experience*

### Hand coding HTML/CSS

*Compatible with IE6, IE7  
and standards compliant  
browsers*

[Dreamweaver](#), [Netbeans](#),  
[Eclipse](#), [Visual Studio](#)

### Javascript/jQuery/AJAX

*Good working knowledge*

### SQL

*Utilized Transact SQL with  
2 years of experience as  
well as MySQL*

### Perl

*Good working knowledge*

### PHP

*Good working knowledge*



## Interests

[Running](#)

[Bouldering](#)

[Live music](#)